

## ABSTRACT OF THE DISCLOSURE

Methods and compositions for the direct modulation of T-cell activity by the action of glutamate and glutamate functional analogs, effecting gene expression and cytokine secretion, integrin-mediated adhesion, and chemotactic migration for the treatment of infectious diseases, inhibition and prevention of tumor growth and dissemination, prevention and treatment of neurological disease, psychopathology, neuronal damage in CNS disease, infection and injury, containment of auto-immune and other injurious inflammatory processes, enhancement of anti-tumor immune surveillance and prevention of host rejection of engrafted tissue are disclosed.